



TECHNICAL SPECS OF FIXED TYPE MILKING MACHINES

Machine:-

Machine type: Bucket milking
Vacuum Tank capacity: 16.2 L
Max.Vacuum line capacity: 30 L
Set Pressure: 50Kpa/380 mm HG
Drive: V Belt
Vacuum Generation System:
Complete set of Vacuum Generation consists of the following

Vacuum Pump: OIL Lubricated BELT DRIVEN Rotary Vane Type suitable for Milking of 1 animal at a time, Capacity 100 Liters/min.

V.pump type: Vane type
Vacuum pump RPM: 1400
Airflow 200 LPM
Lubrication: Oil
Bearing: two ball bearings

Electric Motor: 1 HP Single Phase Electric Motor of "Marathon" Make /Godrej make.

Model: Marathon makes NF292
Type: Capacitor start and Run
HP/KW: 1/0.75
Current: 6.8 Amp
Ph & Voltage 1Ph, 230 V, 50 Hz
RPM: 1440
Thermal protection

Belt: Nerlon /Fenner

Large Vacuum Tank is manufactured from unbreakable PVC sheet. Vacuum tank is fitted with Drain valve..

Vacuum Line Accessories:-

Vacuum Regulator: spring type with Air Filter to prevent dirty air getting into the system. Complete with necessary fittings.

Type: Weight type
MOC: Plastic
Valve Cone: Plastic / Weight: 2.0Kgs

Vacuum Gauge: One No. 4" dial type from H-Guru/Fibig with fittings

Vacuum Cocks: Fitted in Vacuum line 2.

Milking Bucket set: Each set will consist of the following

Milk Can: Stainless Steel 304 complete with Lid & Gasket, Capacity 20 Liters with over flow protection provided.

Milk Claw:-

Type: Visible Claw BU





IMPACT TECHNOLOGIES

MC Volume: 315 ml
Outlet: 5/8" or 16 mm
Shut Off Valve: Yes

Designed Stainless Steel Milk Claw with Grade 304 of 320 CC capacities, easily washable.

Pulsator: A Type Pulsator, designed with aluminum, 4 stroke, Oil free technology, Pulsation Ratio :65:35 International standard and 60 PPM 2+2 Type.

Common/adjustable pulsator ratio for Buffalo/Cow milking, No need to change Cluster or Pulsator or regulator

Life time warranty for Vacuum pump and pulsator if misuse avoided, pure hygienic and easy to install and Handy to use

Adaptor with Gasket: Specially designed to prevent Milk entry into pulsator.

Vacuum Tube: Transparent type, food grade PVC 13 X 23 sizes, Quantity: 2.5 Meter

Milk Tube: Transparent type, food grade PVC 13 X23 size, Quantity: 1.5 Meter

Twin Pulse Tube: Transparent type, Food Grade PVC 13 X23 size, Quantity: 1.5 Meter
Rubber O Ring (4 no) to hold the tubes together

Cluster: For Each Bucket one cluster will be supplied consisting of the following

Liner: One set consisting of four pieces.

Short Pulse Tube: A set of 4 in one cluster,

SS Shells: 4 in no. suitable for above Liners in SS 304,

Attached food grade certifications / visit www.impacttechindia.com



TEST REPORT

Issued To : **GEETA INDUSTRIES (HP)**
PLOT NO:- 4, VILL. JOHRON,
TIRLOK PUR ROAD,

Report No.: 141030080/1410300250 Date: 31-Oct-2014
DOR 30-Oct-2014

Sample Description :
SAMPLE OF S.S. ROD DIA 12 MM

KALAAMB

Phone/Fax:
Kind Attn. :

Your Ref. No. :

Date: 31-Oct-14 06:22 PM
Sample ID: ID-1410300250

Program: Fe-30-X
Comment: SS/Fe **

| Element | % | Specified | Confirmity |
|------------|--------|--------------------|------------|
| Iron | 71.05 | --- | --- |
| Carbon | 0.052 | .080 Max | Yes |
| Silicon | 0.334 | .750 Max | Yes |
| Manganese | 1.23 | 2.00 Max | Yes |
| Sulphur | 0.016 | .030 Max | Yes |
| Phosphorus | 0.0240 | .045 Max | Yes |
| Nickel | 8.26 | 8 Min - 10.50 Max | Yes |
| Chromium | 18.37 | 18 Min - 20.00 Max | Yes |
| Molybdenum | 0.217 | --- | --- |
| Vanadium | 0.076 | --- | --- |
| Titanium | 0.006 | --- | --- |
| Copper | 0.322 | --- | --- |
| Niobium | 0.034 | --- | --- |
| Zirconium | 0.006 | --- | --- |
| Aluminium | <0.01 | --- | --- |

Remark: Sample Confirms to Grade AISI304 with respect to above test.

Protocol:- ASTM-E1086-08



Chemical : T - 0249



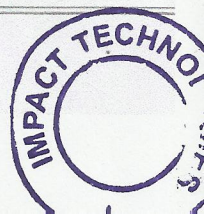
Analyst *d*

Authorised Signatory *[Signature]*

CHEM - 124625

CGREQD11RA000VA337

NABL accredited, BIS, DGS & D, DDA, MOEF, DGCA approved,
ISO - 9001: 2008 & ISO 14001 : 2004 & OHSAS-18001:2007 Certified Laboratory
CORPORATE IDENTITY NUMBER : U74220DL 1998LC 092698



TEST REPORT

Issued To : **GEETA INDUSTRIES(J)**
MUKHERJI PARK

Report No.: 140904059/1409040146 Date: 04-Sep-2014
Sample Description : DOR 04-Sep-2014
SAMPLE MARKED:- K-1

JAGADHRI-135003

Phone/Fax: 09355562508
Kind Attn. :

Your Ref. No. :

Date: 04-Sep-14 05:18 PM
Sample ID: ID-1409040146

Program: Fe-30-X
Comment: SS/Fe **

| Element | % | Specified | Confirmity |
|------------|--------|--------------------|------------|
| Iron | 70.47 | --- | --- |
| Carbon | 0.066 | .080 Max | Yes |
| Silicon | 0.530 | .750 Max | Yes |
| Manganese | 1.41 | 2.00 Max | Yes |
| Sulphur | 0.020 | .030 Max | Yes |
| Phosphorus | 0.0300 | .045 Max | Yes |
| Nickel | 8.18 | 8 Min - 10.50 Max | Yes |
| Chromium | 18.46 | 18 Min - 20.00 Max | Yes |
| Molybdenum | 0.239 | --- | --- |
| Vanadium | 0.066 | --- | --- |
| Titanium | 0.008 | --- | --- |
| Copper | 0.474 | --- | --- |
| Niobium | 0.040 | --- | --- |
| Zirconium | <0.006 | --- | --- |
| Aluminium | <0.01 | --- | --- |

Remark: Sample Confirms to Grade AISI304 with respect to above test.

Protocol:- ASTM-E1086-08

1409040146



Chemical : T - 0249

Analyst: GREQD11RA000VA337



Authorised Signatory

CHEM - 119595

NABL accredited, BIS, DGS & D, DDA, MOEF, DGCA approved,
ISO - 9001: 2008 & ISO 14001 : 2004 & OHSAS-18001:2007 Certified Laboratory
CORPORATE IDENTITY NUMBER: U74220DL1998PLC092698



SERVO[®] PRODUCT DATA SHEET

SERVOSYSTEM 22 - 150

IndianOil

GRADES AVAILABLE - SERVOSYSTEM 22/32/46/57*/68/81*/100/150

DESCRIPTION

Servosystem oils are anti-wear hydraulic and circulation oils specially formulated for efficient lubrication of a wide variety of industrial equipment. Servosystem oils are blended from highly refined base stocks and carefully selected antioxidant, anti-wear, anti-rust and anti-foam additives.

APPLICATION

Servosystem oils are recommended as fluid media for hydraulic systems and hydraulic pumps even under severe operating conditions in stationary and mobile equipment. These oils are also recommended for circulation, splash, bath and ring oiling systems of the bearings (both plain and anti-friction) and gears of industrial machinery that require a long life lubricant. These oils can be used for chain drives and compressor crankcase lubrication.

They are not suitable for lubrication of turbines and silver or silver coated components in any equipment.

PERFORMANCE BENEFITS

Servosystem oils

- Provide good wear- protection, thereby prolonging service life of moving parts
- Possess high film strength properties which help minimise friction and wear
- Provide rust-protection, to reduce the incidence of corrosion
- Have excellent resistance to oxidation thereby giving long service life
- Have reduced tendency to foam thereby minimise the chance of noisy operation and erratic actuator response

PERFORMANCE STANDARDS

- IS: 10522:1983 (Reaffirmed 1993)

MANUFACTURERS APPROVAL

- Bharat Pumps & Compressors Ltd., Naini
- Hindustan Machine Tools Ltd., Bangalore
- Kirloskar Bros. Ltd., Pune
- Heavy Engg. Corporation, Ranchi
- Revathi CP Equipments

CHARACTERISTICS

| GRADE | 22 | 32 | 46 | 57* | 68 | 81* | 100 | 150 |
|---------------------------------|-------|-------|-------|-------|-------|---------|--------|---------|
| Kinematic Viscosity, cSt @ 40°C | 20-24 | 29-33 | 43-48 | 55-60 | 64-72 | 78 - 85 | 95-105 | 145-155 |
| Viscosity Index, Min | 95 | 95 | 95 | 95 | 95 | 95 | 90 | 90 |
| Flash Point (COC), °C Min. | 160 | 190 | 200 | 210 | 210 | 210 | 210 | 230 |
| Pour Point, °C Max. | (-) 6 | (-) 6 | (-) 6 | (-) 6 | (-) 6 | (-) 6 | (-) 6 | (-) 6 |
| Rust Test, (D-665 A&B, 24 hrs.) | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass |

* NON ISO VG

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai - 400 051

E-Mail: tsservices@indianoil.co.in OR tech_services@indianoil.co.in

